

CLAIMS:

1. A filament lamp comprising a sealed transparent vessel 1 containing at least two coiled filaments (3,4) and conductive means (5,6,7;8,9,10;11,12,13) for supplying electric power to each of the at least two coils (3,4), characterized in that two coils (3,4) are positioned coaxially, and in that the two coils (3,4) has different diameters, and in that at least
5 a portion of the coil (3) having the larger diameter surrounds at least a portion of the coil (4) having the smaller diameter.
2. A filament lamp as claimed in claim 1, characterized in that the vessel (1) has a tube-like shape, whereby the means for supplying electric power to the coils (3,4) comprise
10 feed through poles (8,9,10) at one end of the tube-like vessel (1), and whereby the two coils (3,4) are substantial coaxial with respect to the tube-like vessel (1).
3. A filament lamp as claimed in any one of the preceding claims, characterized in that the filament forming the coil (3) having the larger diameter has a larger thickness than
15 the filament forming the coil (4) having the smaller diameter.
4. A filament lamp as claimed in any one of the preceding claims, characterized in that the coil (4) having the smaller diameter is longer then the coil (3) having the larger diameter.
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5. A filament lamp as claimed in claim 4, characterized in that the coil (3) having the larger diameter surrounds one end of the coil (4) having the smaller diameter over a length equal to the length of the coil (3) having the larger diameter.
- 25 6. A filament lamp as claimed in any one of the preceding claims, characterized in that it is a halogen lamp.
7. A lamp assembly comprising a filament lamp (1,2) and a reflector (14) for producing a diverging beam of light radiation, whereby the filament lamp comprises a sealed

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transparent vessel (1) containing a coiled filament and conductive means (5,6,7;8,9,10;11,12,13) for supplying electric power to the coil, characterized in that the transparent vessel (1) contains two coils (3,4), both positioned coaxially with respect to the reflector (14), and in that the two coils (3,4) has different diameters, and in that at least a

5 portion of the coil (3) having the larger diameter surrounds at least a portion of the coil (4) having the smaller diameter.

8. A lamp assembly as claimed in claim 7, characterized in that the reflector (14) is a substantially parabolic reflector.